

Title (en)  
VAPOR CELL FOR ATOMIC PHYSICS SENSORS

Title (de)  
DAMPFZELLE FÜR ATOMPHYSIKSENSOREN

Title (fr)  
CELLULE À VAPEUR POUR CAPTEURS DE PHYSIQUE ATOMIQUE

Publication  
**EP 4264303 A1 20231025 (EN)**

Application  
**EP 21907825 A 20211216**

Priority  
• US 202063126704 P 20201217  
• US 202063126978 P 20201217  
• US 2021063829 W 20211216

Abstract (en)  
[origin: US2022196444A1] One embodiment includes a vapor cell for an atomic physics-based sensor system. The vapor cell includes a cell wall formed from an approximately transparent material. The cell wall can enclose an alkali metal vapor and can include an inner surface and an outer surface. The vapor cell can also include at least one structural feature provided on at least one of the inner surface and the outer surface of the cell wall and extending along a portion of the respective at least one of the inner surface and the outer surface.

IPC 8 full level  
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CPC (source: EP US)  
**G01D 11/245** (2013.01 - US); **G01R 33/26** (2013.01 - EP); **G04F 5/14** (2013.01 - US); **G04F 5/14** (2013.01 - EP)

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BA ME

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**US 202117552909 A 20211216**; AU 2021401294 A 20211216; CA 3199702 A 20211216; EP 21907825 A 20211216; JP 2023537072 A 20211216; US 2021063829 W 20211216